

Serial No.: 09/554,860
Group Art Unit No.: 1644

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A recombinant mutant pro-DerP1 allergen from *Dermatophagoides pteronyssinus* wherein said mutant allergen has ~~reduced enzymatic activity compared to the wild type allergen~~ at least one of the following mutations:

- (i) an alanine substitution of the Cys 132 residue of pro-DerP1, and
- (ii) an alanine substitution of the His 268 residue of pro-DerP1.

2-11. (Cancelled)

12. (Currently Amended) A recombinant mutant pro-DerP1 allergen having the sequence as set out in SEQ ID NO. [[7]]1.

13. (Currently Amended) A recombinant mutant pro-DerP1 allergen having the sequence as set out in SEQ ID NO. [[9]]2.

14-17. (Cancelled)

18. (Currently Amended) A vaccine comprising a recombinant mutant pro-DerP1 allergen as claimed in any one of claims 1, 12, 13, or 23 to 46, and an adjuvant.

19. (Original) A vaccine as claimed in claim 18, wherein the adjuvant is a preferential stimulator of Th1-type immune responses.

20. (Currently Amended) A vaccine as claimed in claim 18, wherein the adjuvant comprises ~~one or both~~ at least one of QS21 and 3-O-deacylated monophosphoryl lipid A.

21-22. (Cancelled)

23. (New) A recombinant mutant pro-DerP1 allergen having the sequence as set out in SEQ ID NO. 3.